February 18 - 24, 2005

The Terra spacecraft is operating nominally in science mode. Terra successfully performed
Drag Makeup Maneuver (DMU) number 41 with a 10.16-second burn.

On February 17, 2005, a dropped command was found in the original Terra ATC load. Schedulers tried the proposed workaround procedures to no avail. A subsequent regeneration of the ATC fortunately included the dropped command. Hence, there was no impact to operations.

Raytheon Denver was able to capture both pre and post MMS data during the original dropped command and believe they have located the problem. They are currently testing a fix in Denver and are writing a report of findings. Raytheon hopes to  provide a fix via a MMS patch by mid-March.

Ground System and Data Processing System Anomalies/Issues:<br>
One MIR occurred this week having to do with a late acquisition with TDW. There was no impact to current science objectives and no science data loss.

One MIR occurred this week having to do with a K-band dropout with TDW. This is a common problem that occurs about once per week. No science data were lost due to replaying data.

One MIR occurred this week due to short time between contacts leading to an EDOS configuration failure. GSIF was then manually configured for data capture resulting in nominal science data capture. Therefore, there was no impact to current science objectives and no science data loss.

One MIR occurred this week due to SGS (Svalbard Ground Station) not able to lockup with Terra for commanding. Norway began tracking Terra at the beginning of its view period some 5 minutes before our scheduled AOS. Confusion on whether Norway was indeed tracking Terra kept SGS from acquiring signal lock. Luckily, we had a handover pass with AGS (Alaska Ground Station) scheduled and were successfully able to dump all science data before our Drag Makeup Maneuver (DMU) in the next event.